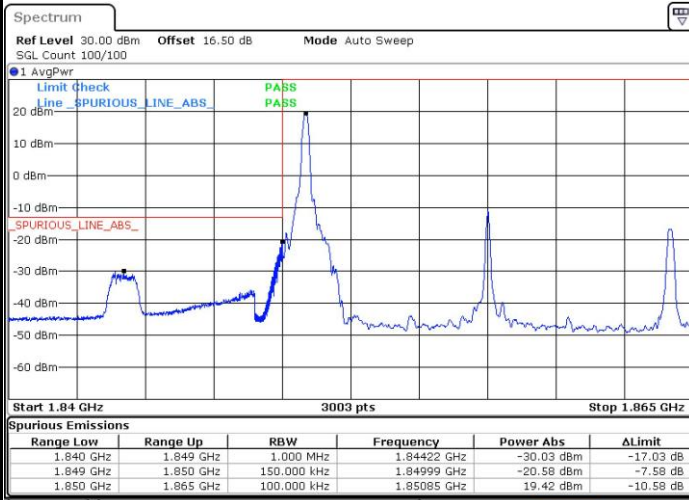


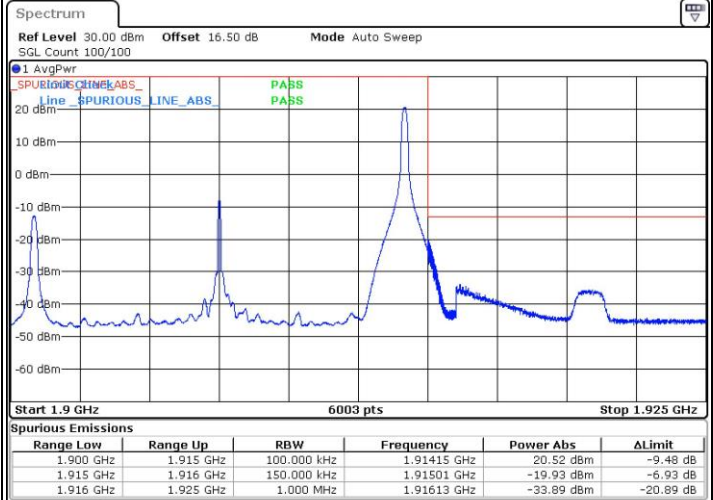


LTE Band 25 / 15MHz / QPSK

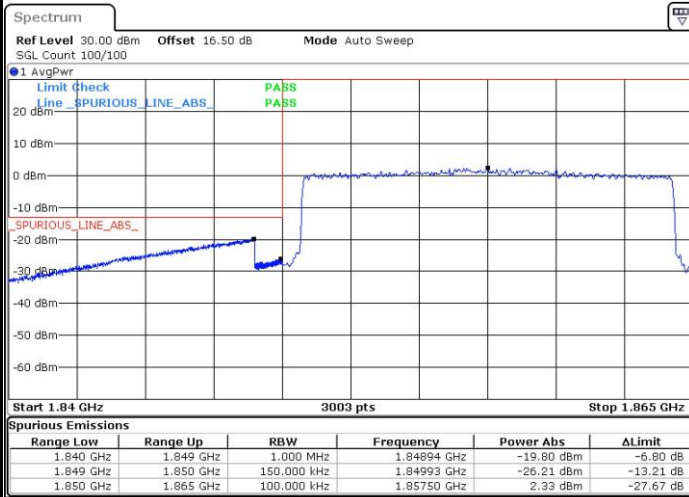
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



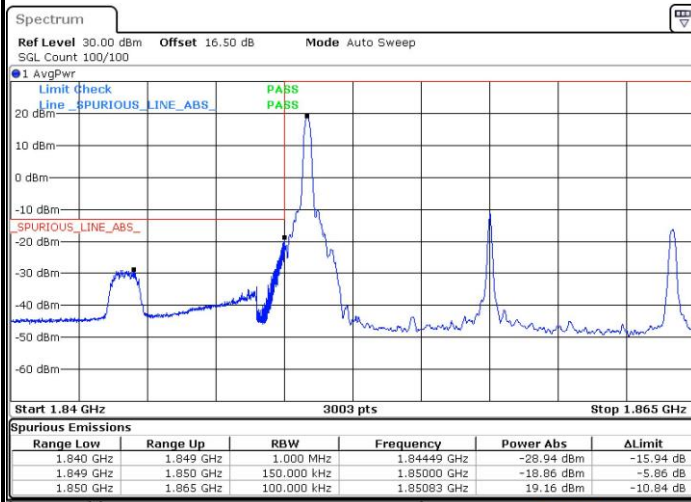
Highest Band Edge / Full RB



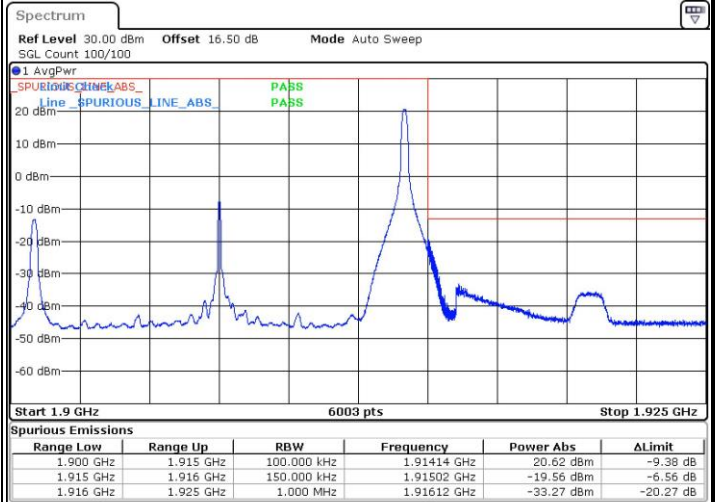


LTE Band 25 / 15MHz / 16QAM

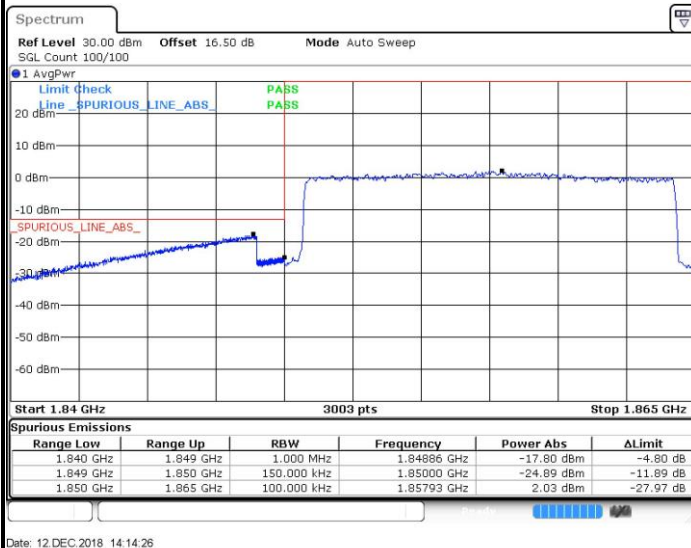
Lowest Band Edge / 1 RB



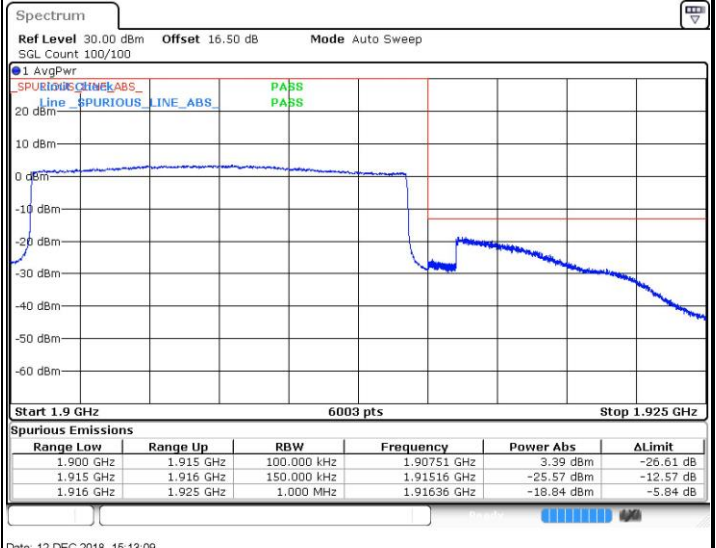
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



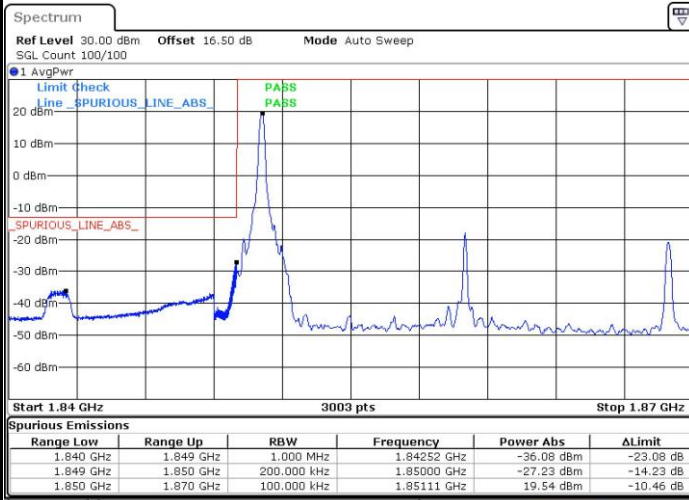
Highest Band Edge / Full RB



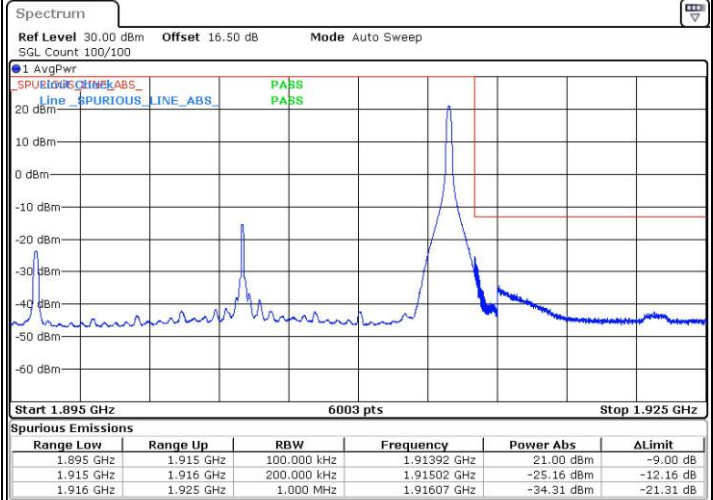


LTE Band 25 / 20MHz / QPSK

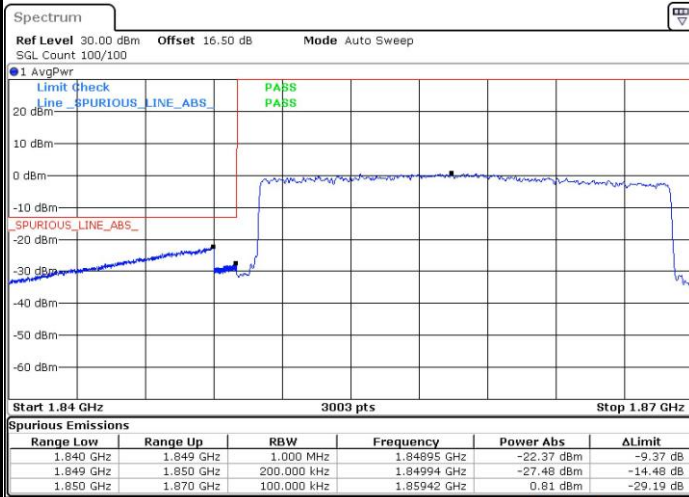
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



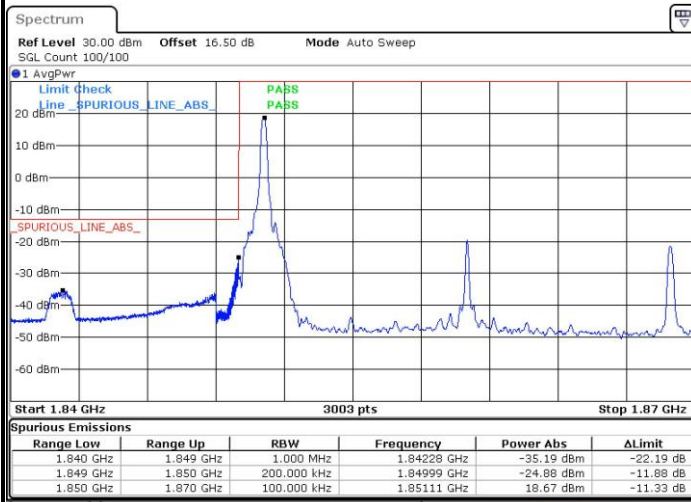
Highest Band Edge / Full RB



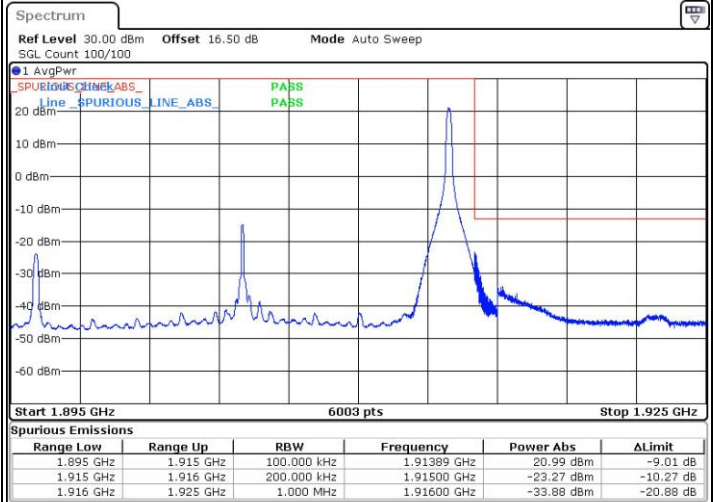


LTE Band 25 / 20MHz / 16QAM

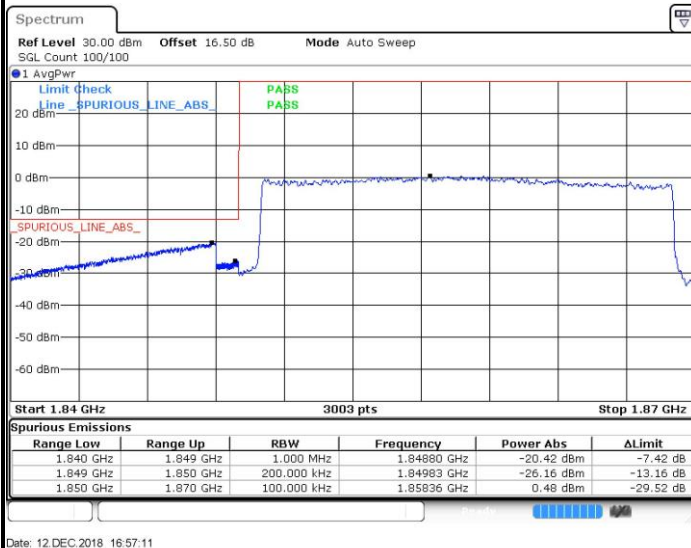
Lowest Band Edge / 1 RB



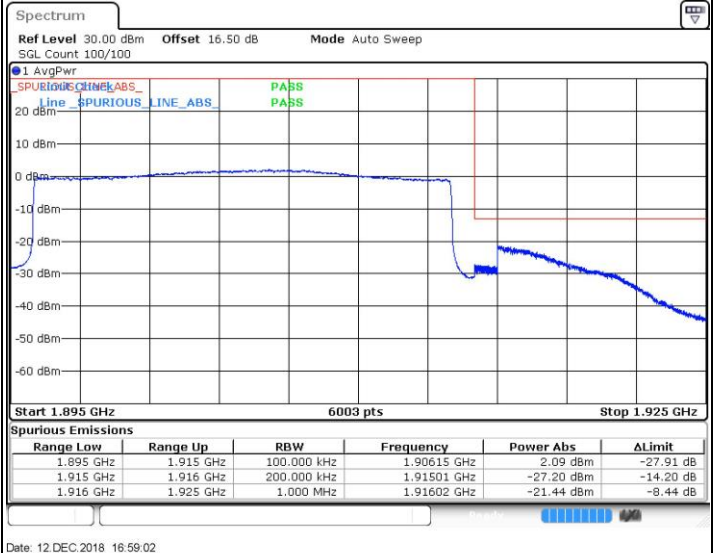
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



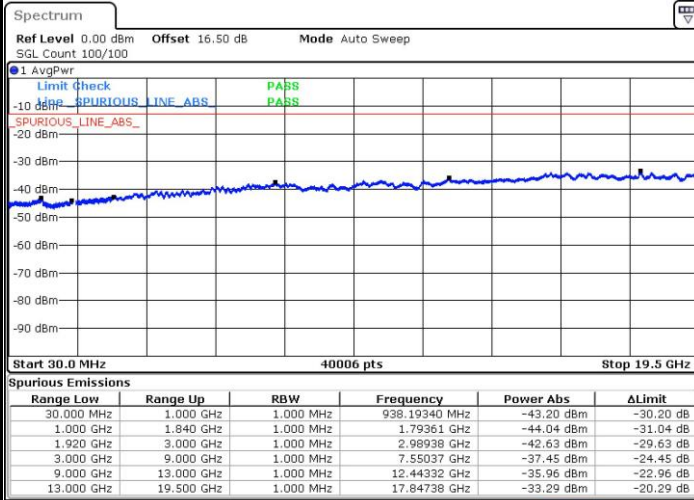


Conducted Spurious Emission



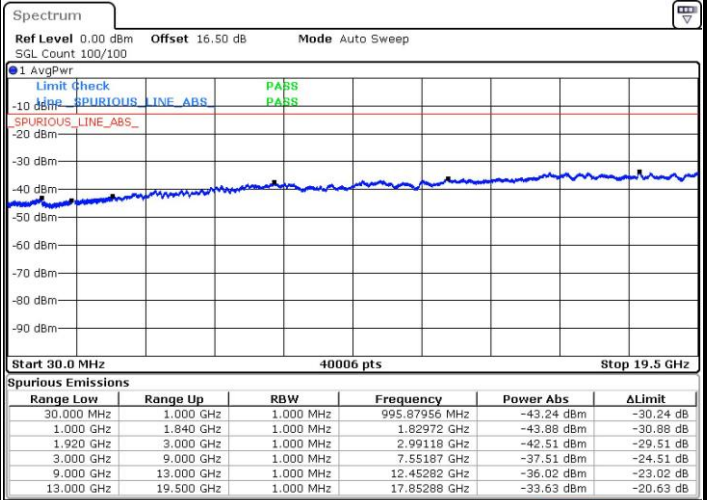
LTE Band 25 / 5MHz

Lowest Channel / QPSK



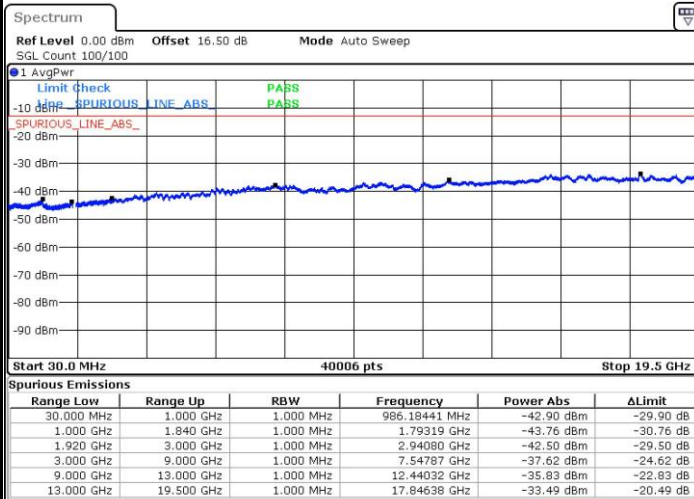
Date: 12 DEC 2018 13:53:12

Lowest Channel / 16QAM



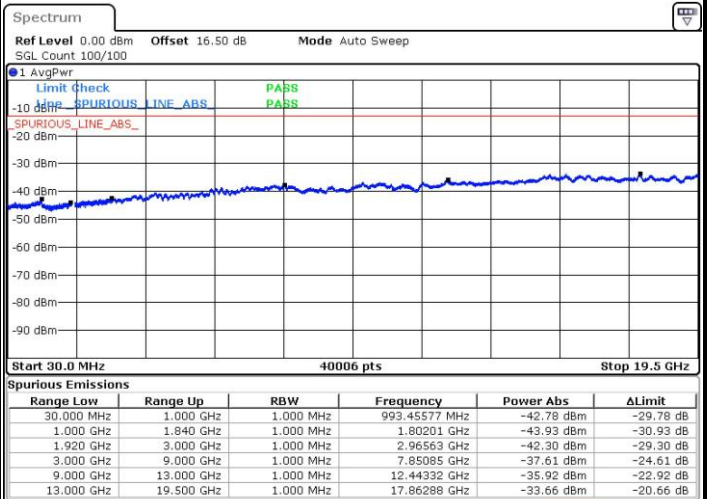
Date: 12 DEC 2018 13:53:57

Middle Channel / QPSK



Date: 12 DEC 2018 15:32:13

Middle Channel / 16QAM

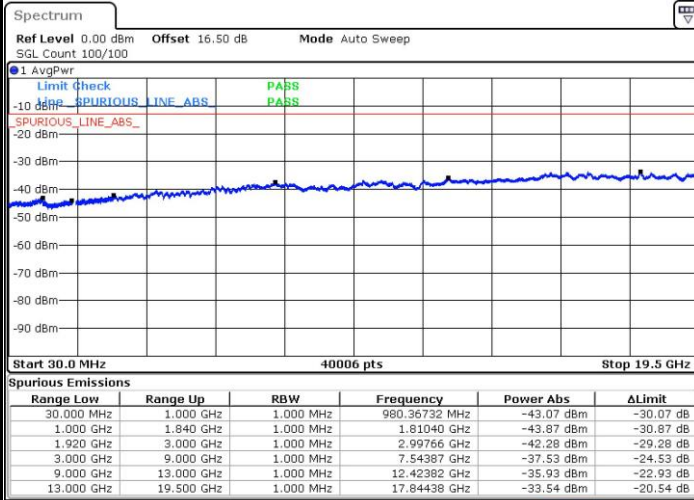


Date: 12 DEC 2018 15:32:59



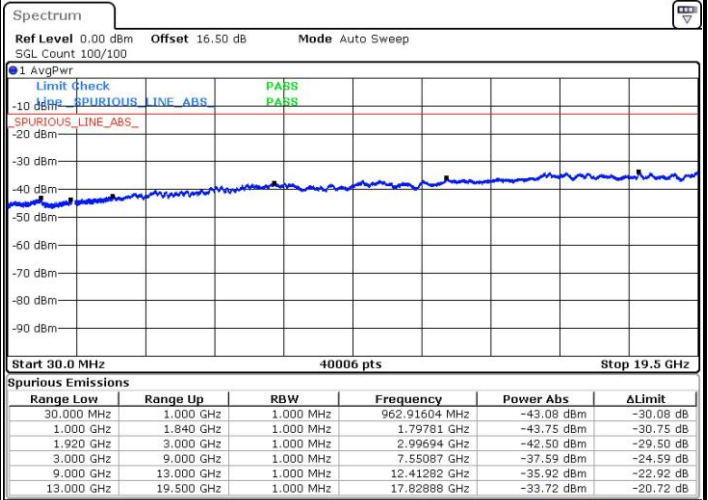
LTE Band 25 / 5MHz

Highest Channel / QPSK



Date: 12 DEC 2018 13:59:46

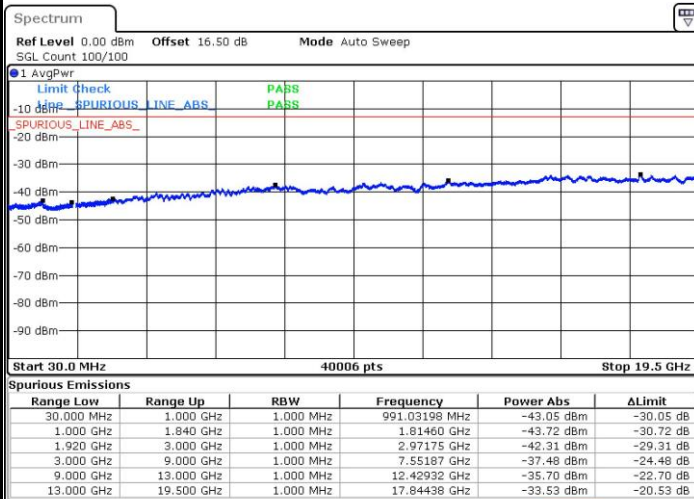
Highest Channel / 16QAM



Date: 12 DEC 2018 14:00:32

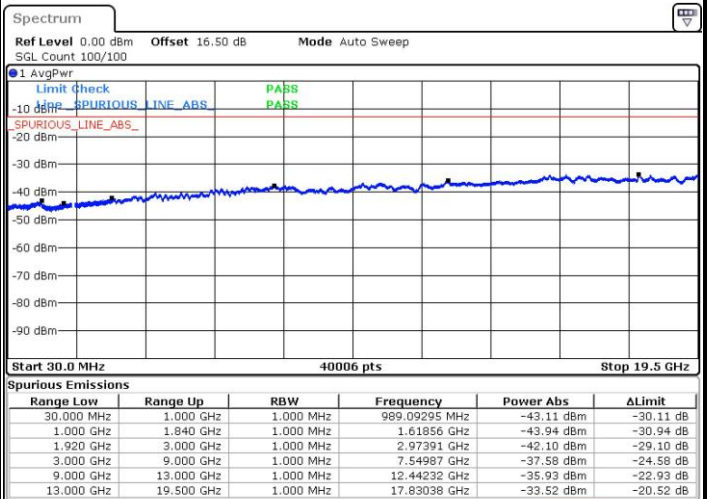
LTE Band 25 / 10MHz

Lowest Channel / QPSK



Date: 12 DEC 2018 14:04:03

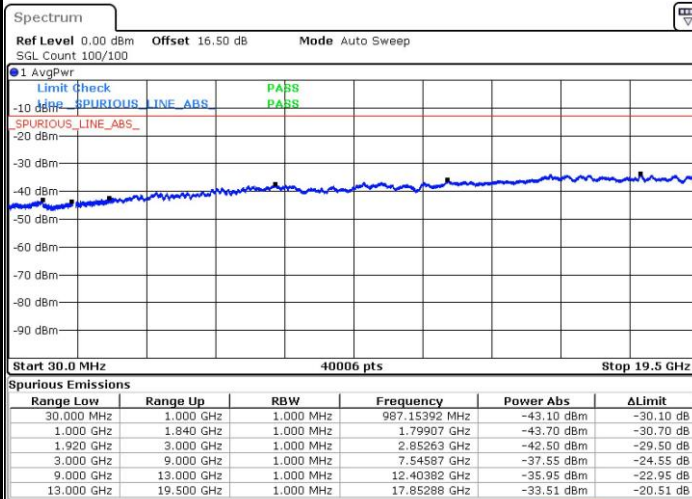
Lowest Channel / 16QAM



Date: 12 DEC 2018 14:04:48

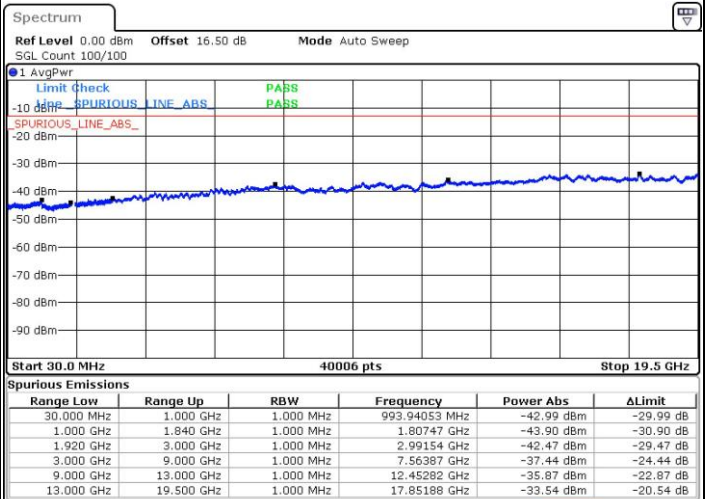
LTE Band 25 / 10MHz

Middle Channel / QPSK



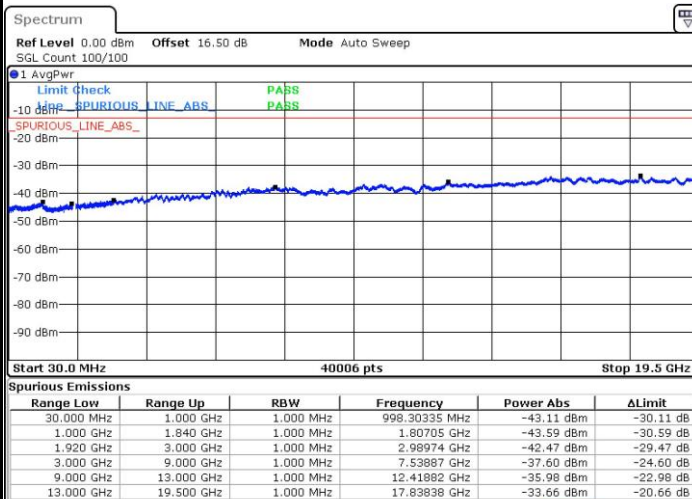
Date: 12.DEC.2018 15:34:30

Middle Channel / 16QAM



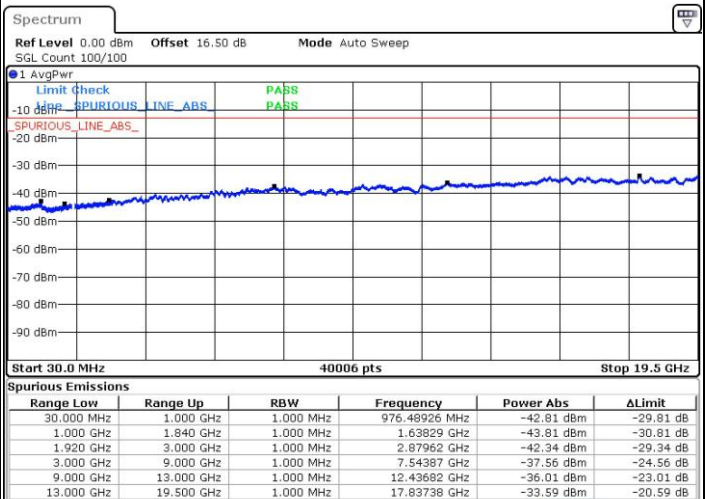
Date: 12.DEC.2018 15:35:15

Highest Channel / QPSK



Date: 12.DEC.2018 14:10:55

Highest Channel / 16QAM

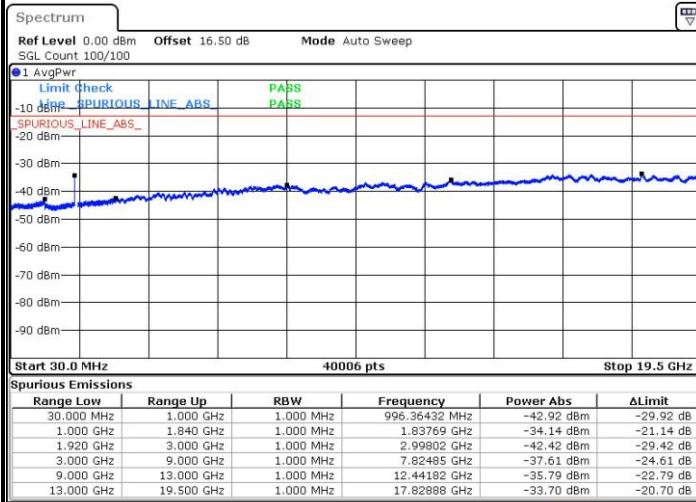


Date: 12.DEC.2018 14:11:40



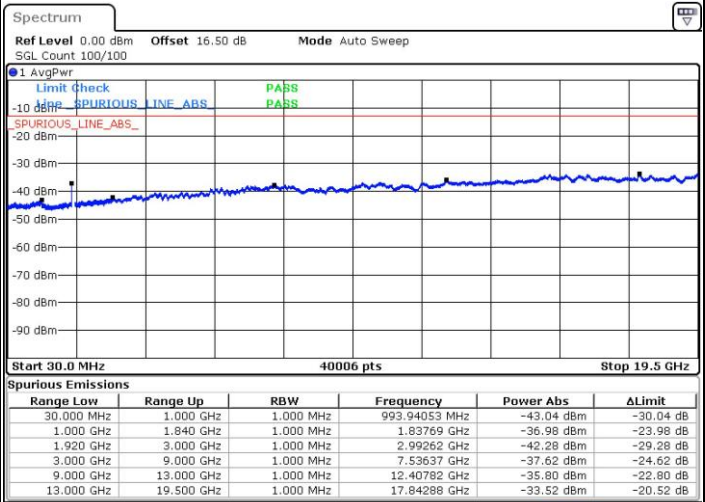
LTE Band 25 / 15MHz

Lowest Channel / QPSK



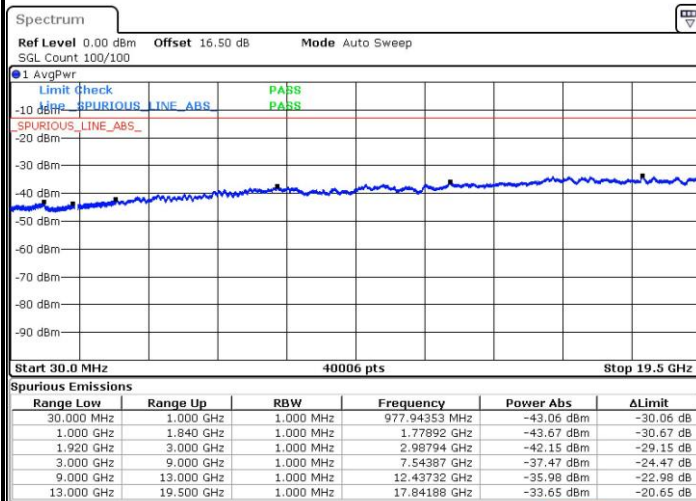
Date: 12 DEC 2018 14:15:12

Lowest Channel / 16QAM



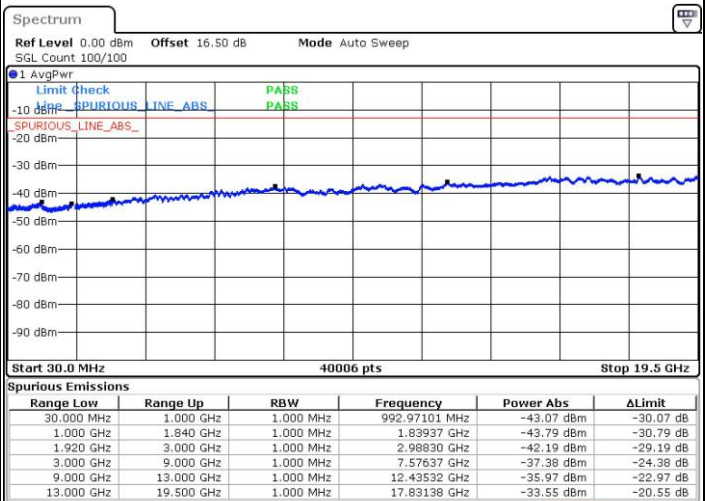
Date: 12 DEC 2018 14:15:57

Middle Channel / QPSK



Date: 12 DEC 2018 15:36:46

Middle Channel / 16QAM

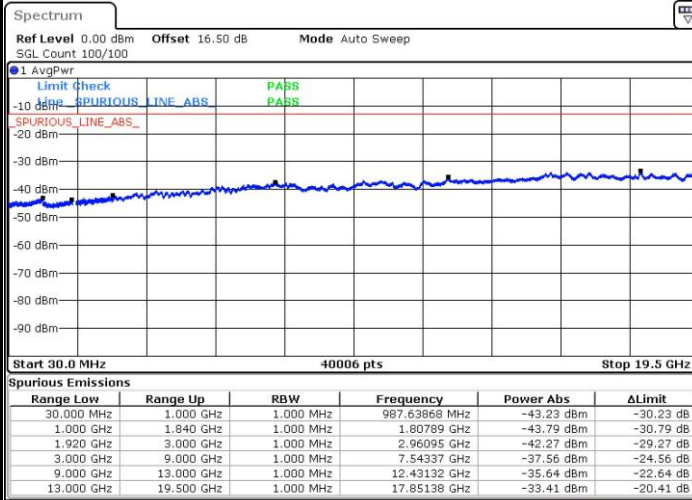


Date: 12 DEC 2018 15:37:32



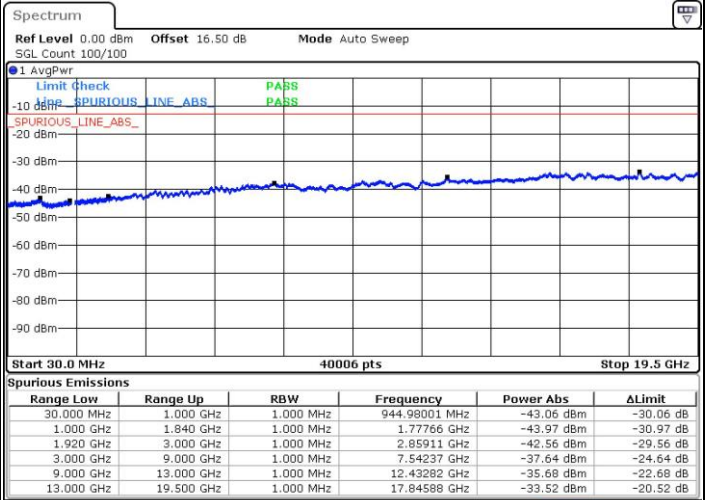
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 12 DEC 2018 14:22:38

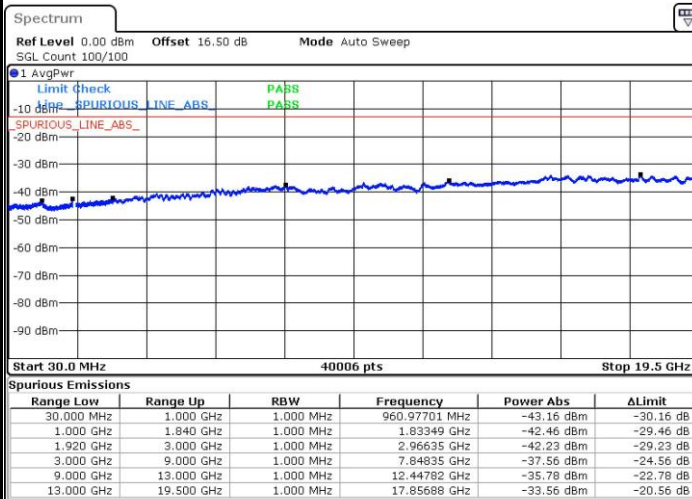
Highest Channel / 16QAM



Date: 12 DEC 2018 14:23:24

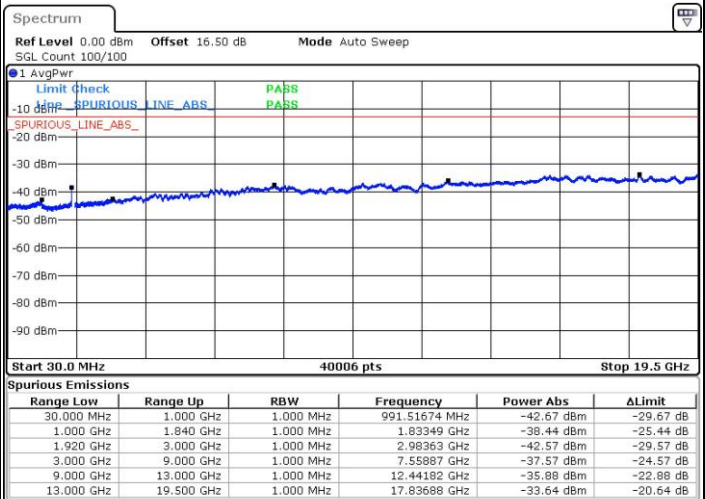
LTE Band 25 / 20MHz

Lowest Channel / QPSK



Date: 12 DEC 2018 14:26:55

Lowest Channel / 16QAM

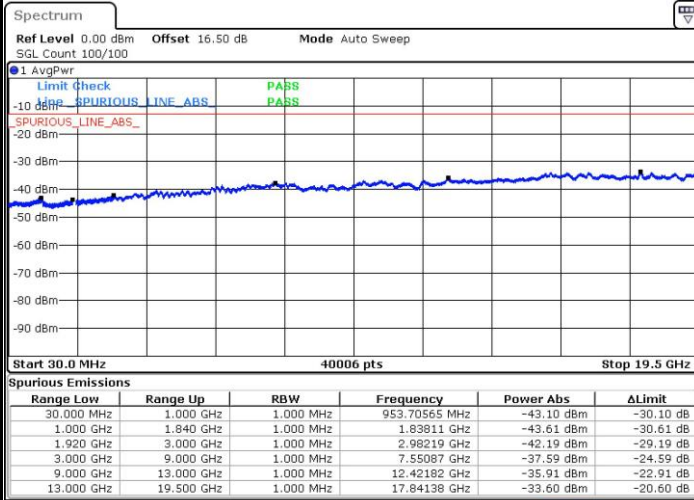


Date: 12 DEC 2018 14:27:40



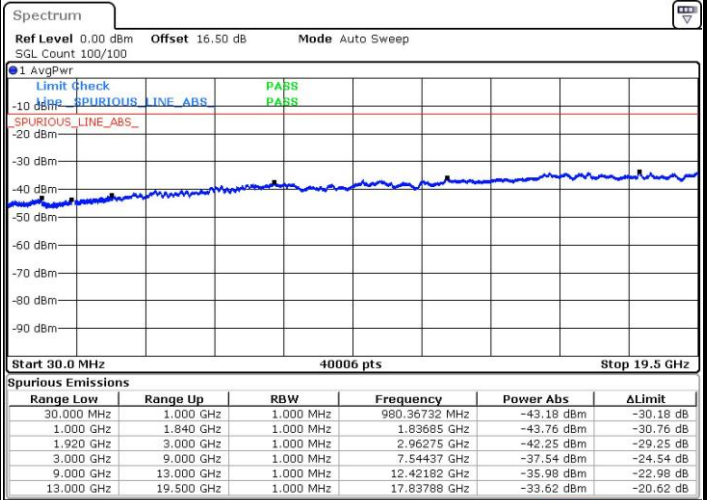
LTE Band 25 / 20MHz

Middle Channel / QPSK



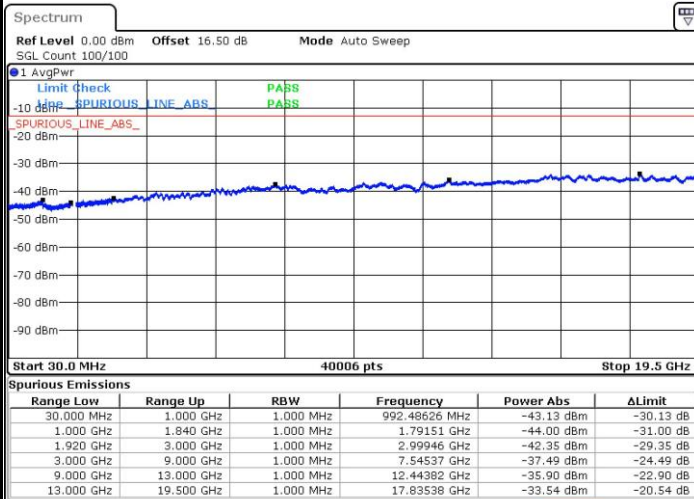
Date: 12 DEC 2018 15:39:03

Middle Channel / 16QAM



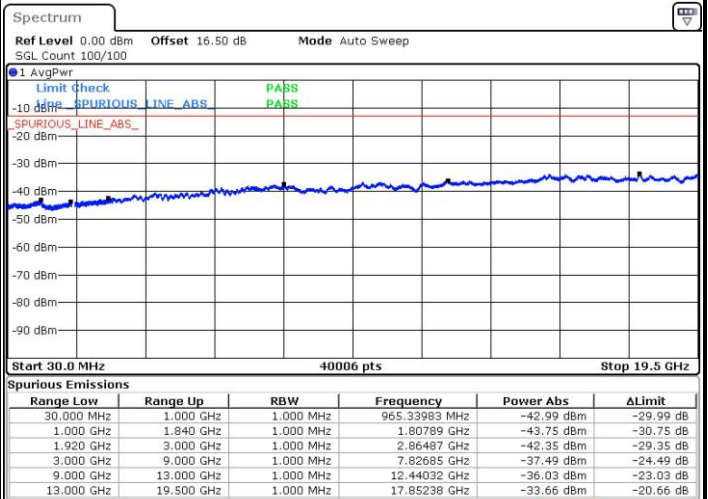
Date: 12 DEC 2018 15:39:48

Highest Channel / QPSK



Date: 12 DEC 2018 15:19:02

Highest Channel / 16QAM



Date: 12 DEC 2018 15:19:47

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0069	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0054	

Note:

1. Normal Voltage =120 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



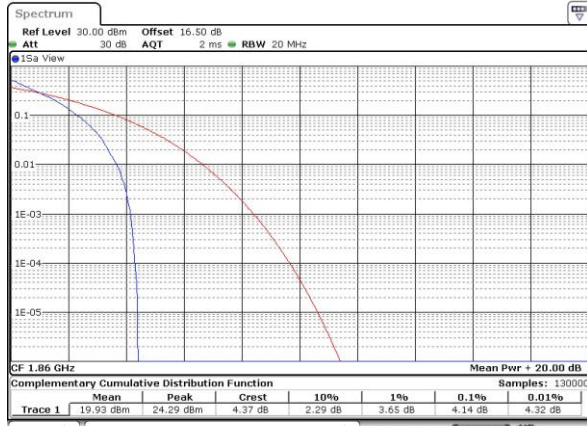
<For 2x2 Tx Chain 2>

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.14	3.80	4.20	4.23	PASS
Middle CH	3.83	3.74	3.91	4.49	
Highest CH	3.48	3.91	3.71	4.49	

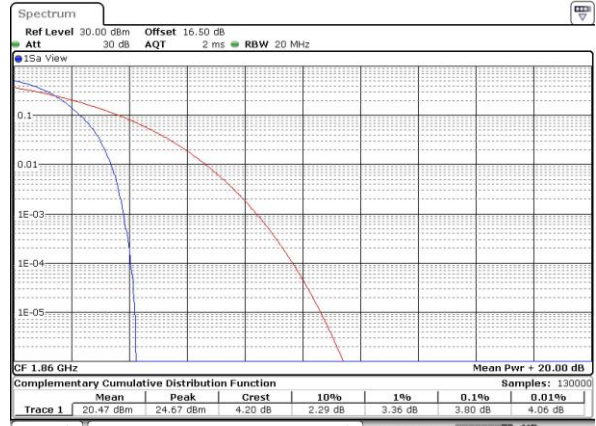
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



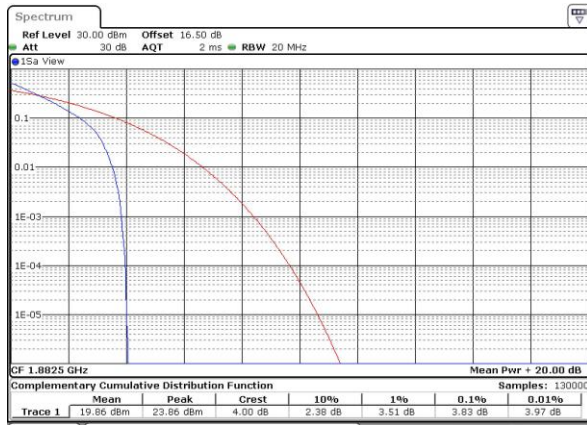
Date: 12 DEC 2018 20:29:50

Lowest Channel / Full RB



Date: 12 DEC 2018 20:30:00

Middle Channel / 1RB



Date: 12 DEC 2018 20:30:30

Middle Channel / Full RB



Date: 12 DEC 2018 20:30:40

Highest Channel / 1RB



Date: 12 DEC 2018 20:31:09

Highest Channel / Full RB

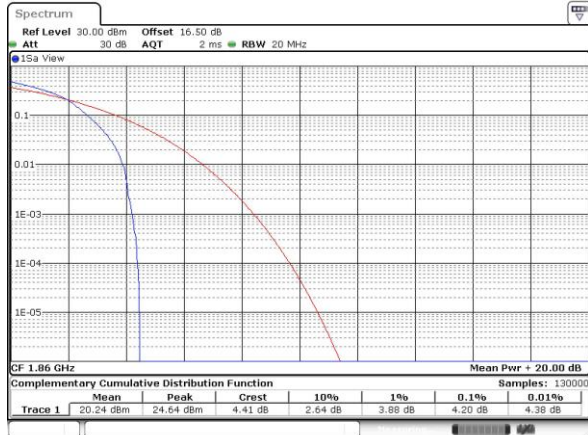


Date: 12 DEC 2018 20:31:19

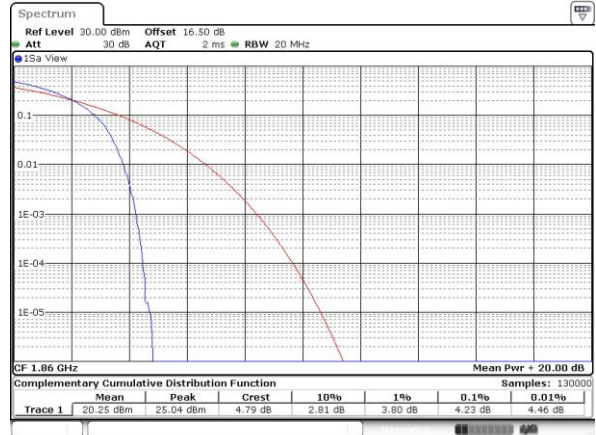


LTE Band 25 / 20MHz / 16QAM

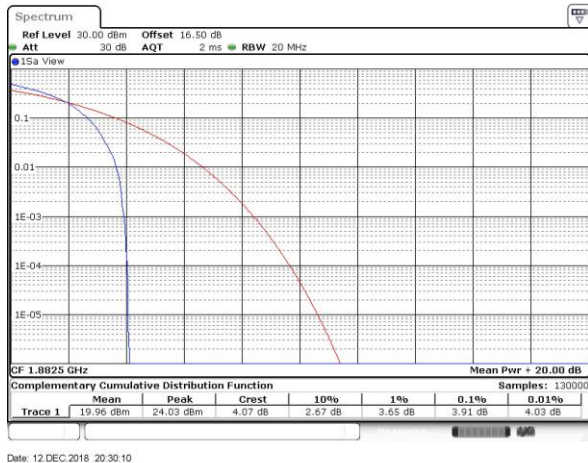
Lowest Channel / 1RB



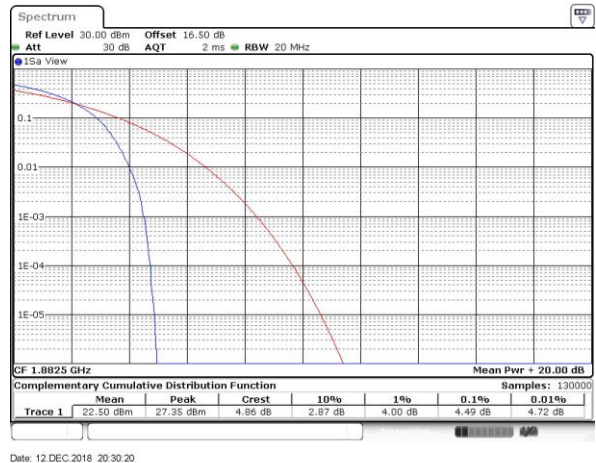
Lowest Channel / Full RB



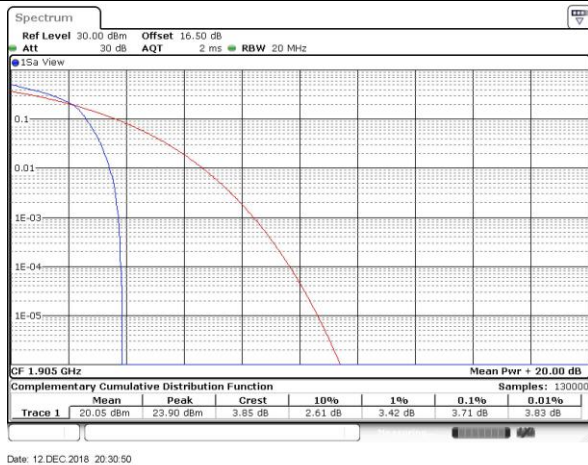
Middle Channel / 1RB



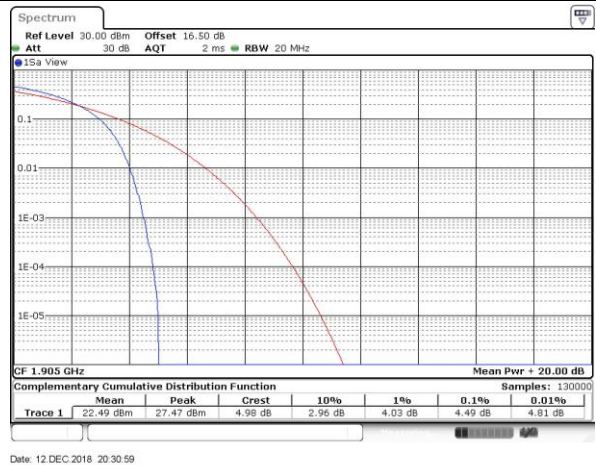
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



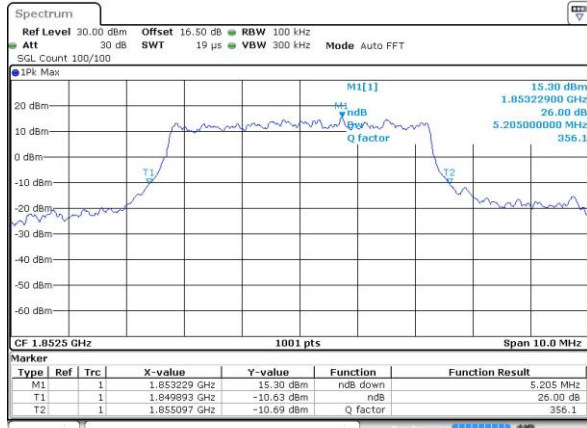
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.21	5.07	9.79	9.79	14.42	14.72	20.34	20.26
Middle CH	-	-	-	-	5.10	5.36	9.73	9.79	14.45	14.48	20.02	20.26
Highest CH	-	-	-	-	5.19	5.10	10.33	10.11	14.42	14.75	20.50	21.86



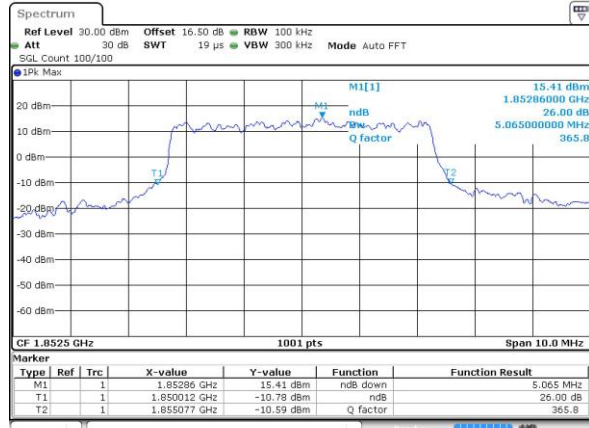
LTE Band 25

Lowest Channel / 5MHz / QPSK



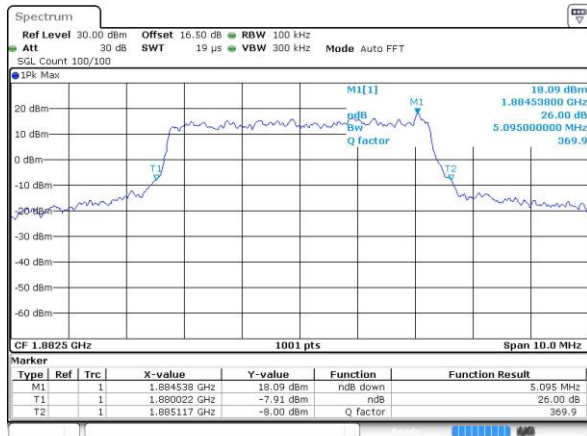
Date: 12 DEC 2018 18:51:58

Lowest Channel / 5MHz / 16QAM



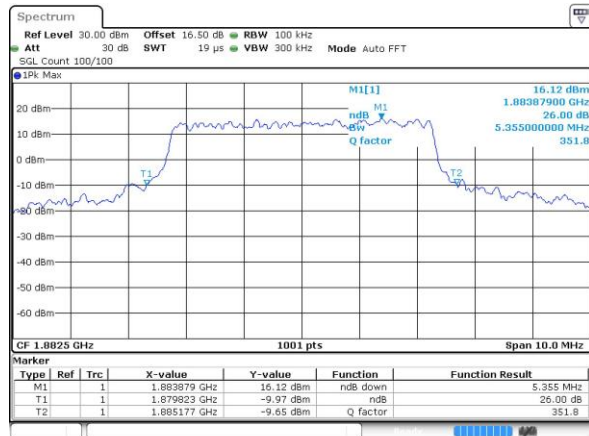
Date: 12 DEC 2018 18:52:10

Middle Channel / 5MHz / QPSK



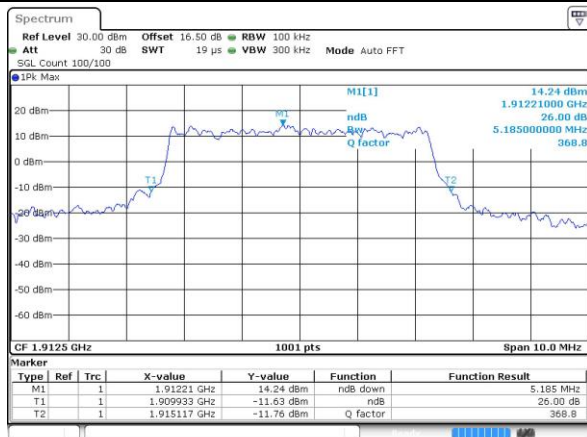
Date: 12 DEC 2018 18:57:55

Middle Channel / 5MHz / 16QAM



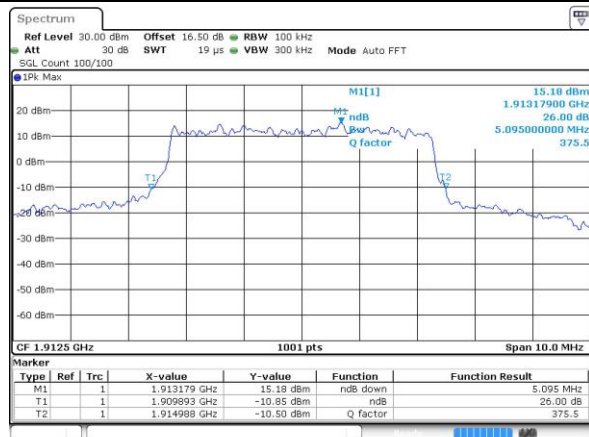
Date: 12 DEC 2018 18:58:07

Highest Channel / 5MHz / QPSK



Date: 12 DEC 2018 19:00:23

Highest Channel / 5MHz / 16QAM

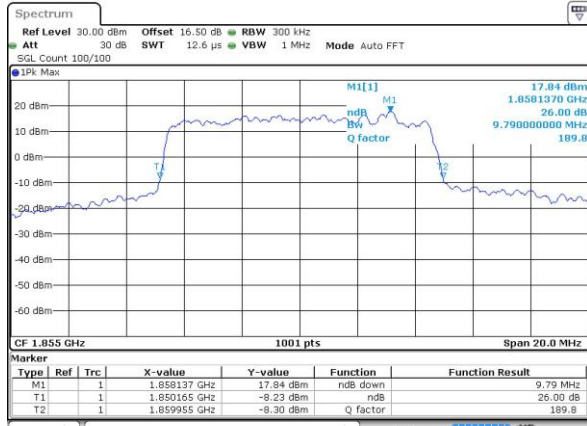


Date: 12 DEC 2018 19:00:12

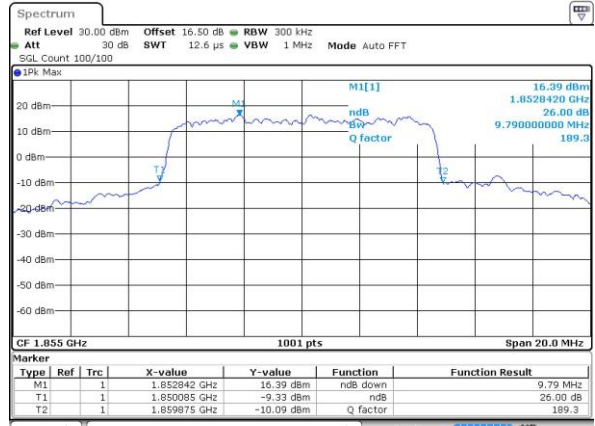


LTE Band 25

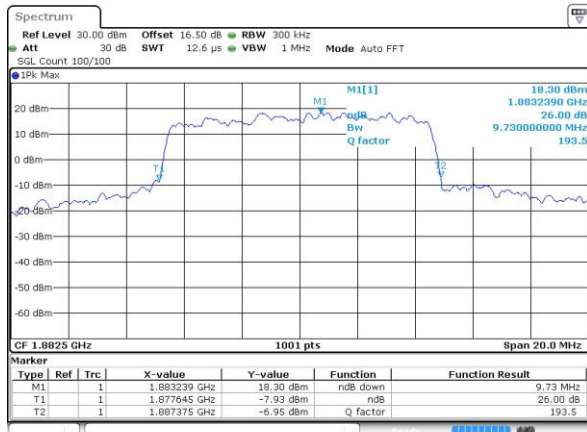
Lowest Channel / 10MHz / QPSK



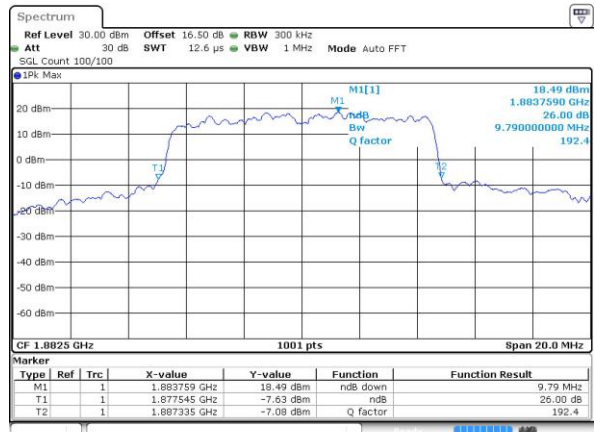
Lowest Channel / 10MHz / 16QAM



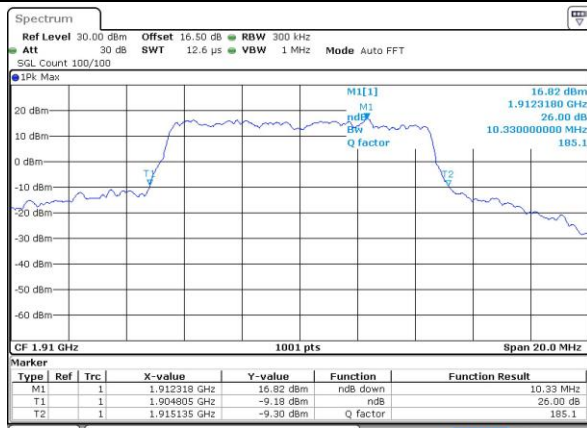
Middle Channel / 10MHz / QPSK



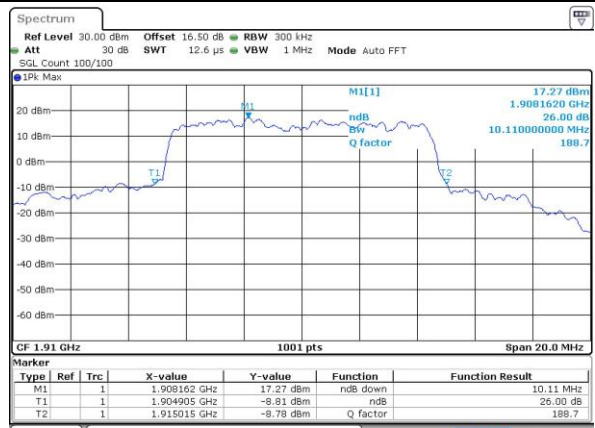
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



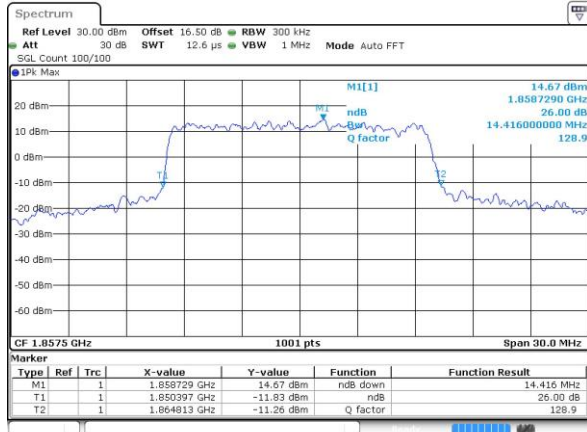
Highest Channel / 10MHz / 16QAM





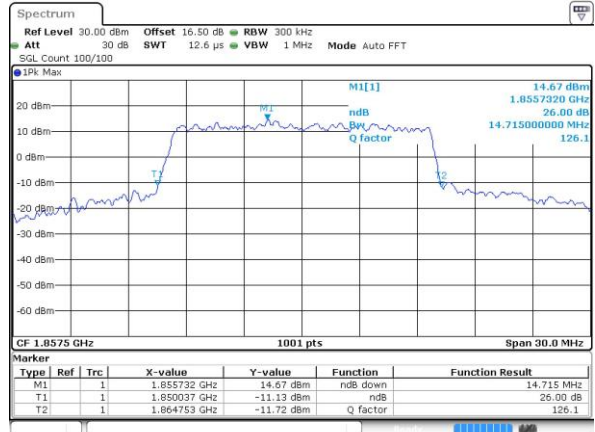
LTE Band 25

Lowest Channel / 15MHz / QPSK



Date: 12 DEC 2018 19:20:19

Lowest Channel / 15MHz / 16QAM



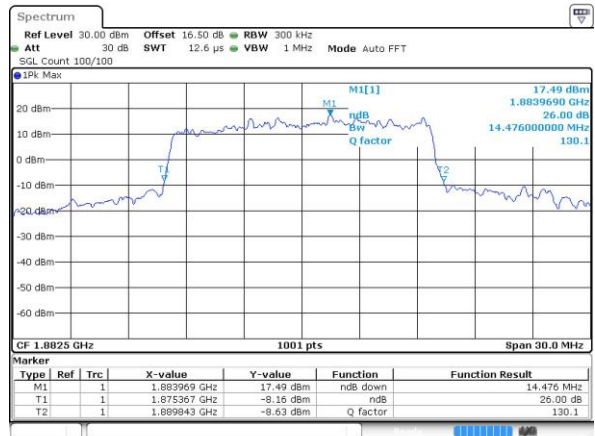
Date: 12 DEC 2018 19:20:31

Middle Channel / 15MHz / QPSK



Date: 12 DEC 2018 19:26:16

Middle Channel / 15MHz / 16QAM



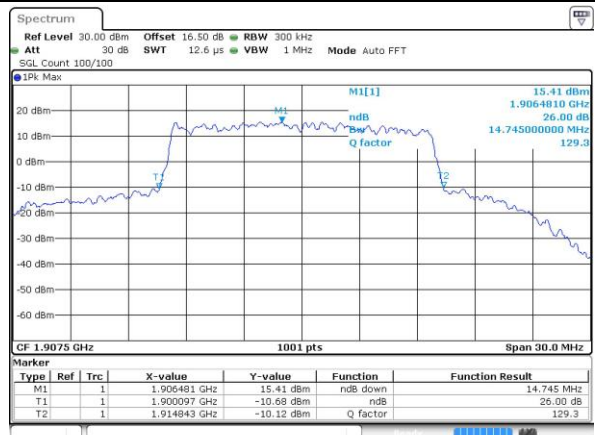
Date: 12 DEC 2018 19:26:27

Highest Channel / 15MHz / QPSK



Date: 12 DEC 2018 19:28:44

Highest Channel / 15MHz / 16QAM

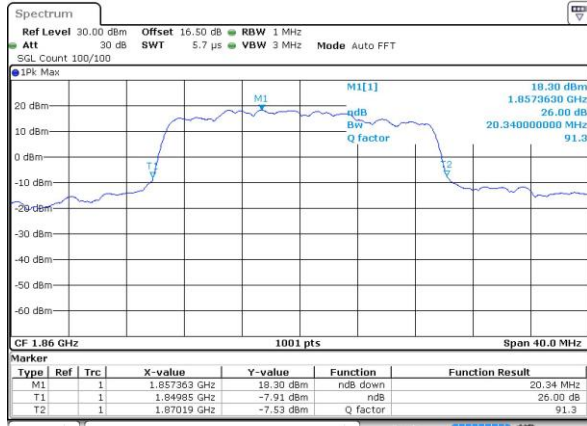


Date: 12 DEC 2018 19:28:32

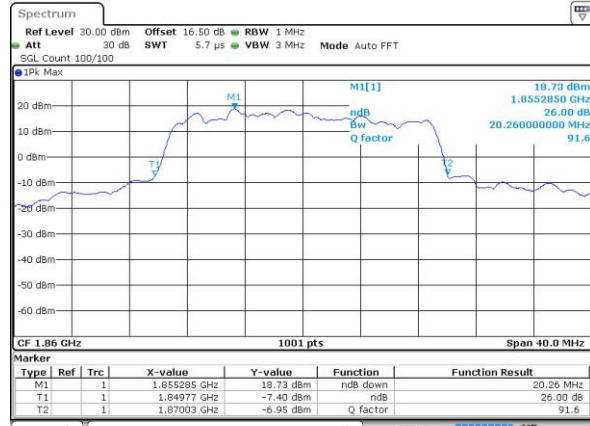


LTE Band 25

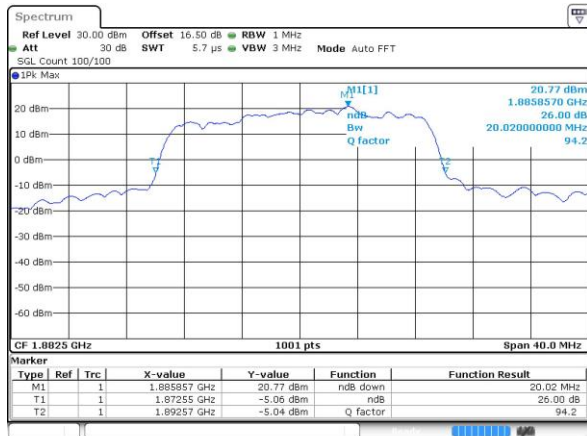
Lowest Channel / 20MHz / QPSK



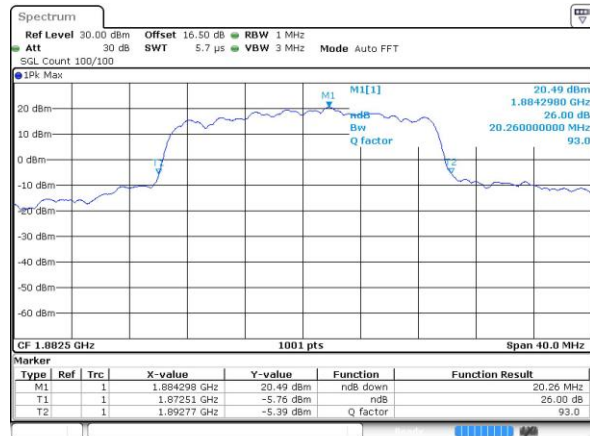
Lowest Channel / 20MHz / 16QAM



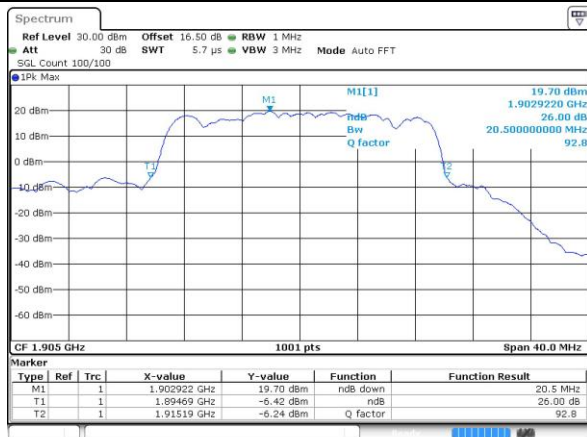
Middle Channel / 20MHz / QPSK



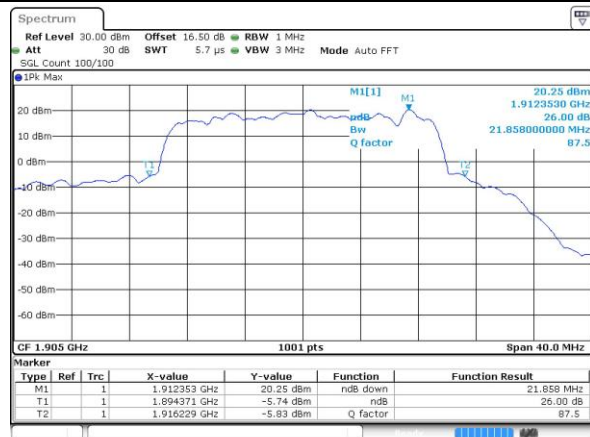
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





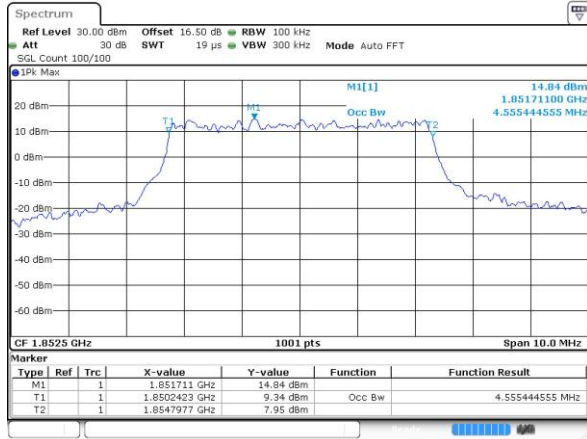
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.56	4.52	9.07	9.05	13.46	13.43	18.30	18.50
Middle CH	-	-	-	-	4.53	4.52	9.03	9.03	13.4	13.43	18.14	18.38
Highest CH	-	-	-	-	4.49	4.50	9.07	9.09	13.37	13.49	18.38	18.38



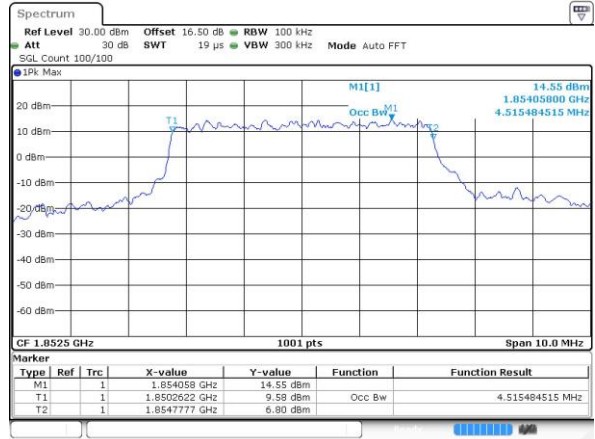
LTE Band 25

Lowest Channel / 5MHz / QPSK



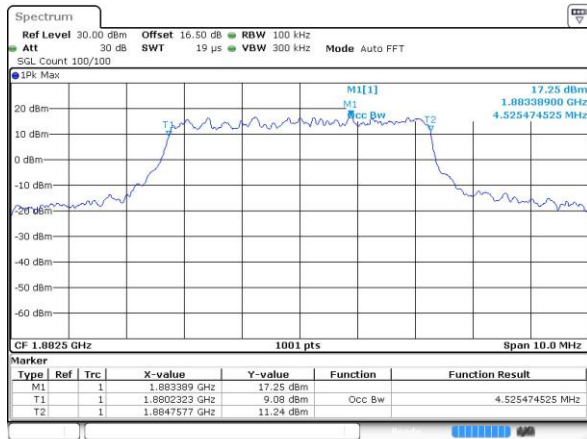
Date: 12 DEC 2018 18:51:36

Lowest Channel / 5MHz / 16QAM



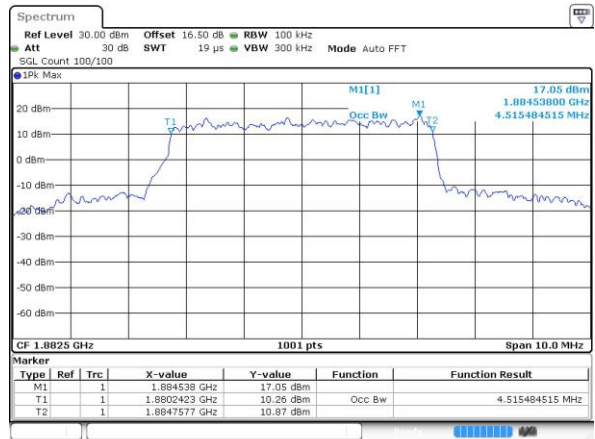
Date: 12 DEC 2018 18:51:47

Middle Channel / 5MHz / QPSK



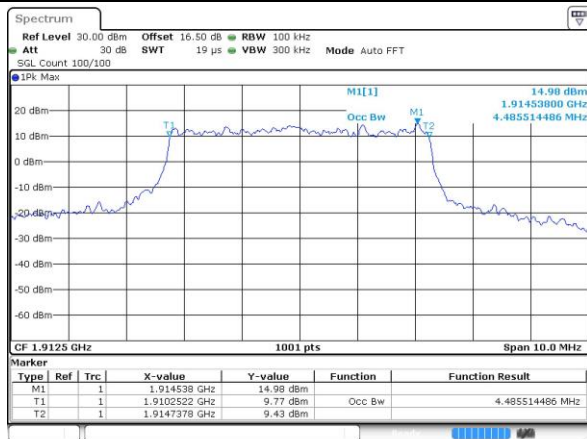
Date: 12 DEC 2018 18:57:32

Middle Channel / 5MHz / 16QAM



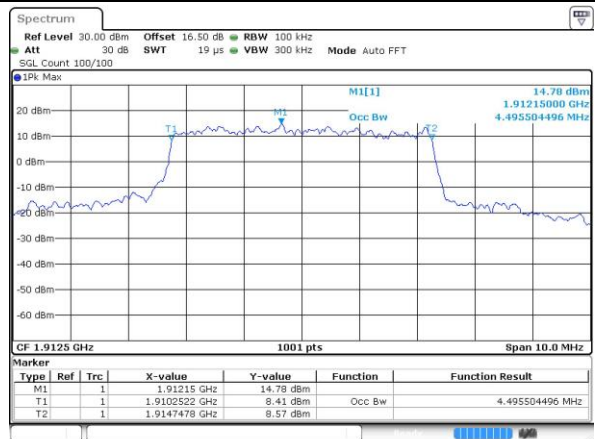
Date: 12 DEC 2018 18:57:44

Highest Channel / 5MHz / QPSK



Date: 12 DEC 2018 18:59:49

Highest Channel / 5MHz / 16QAM



Date: 12 DEC 2018 19:00:00